

HOLOGRAPHIC MEDIA FABRICATION TECHNIQUES

ABSTRACT

Holographic data storage media having a sandwiched construction are described in which a holographic recording material is sandwiched between two substrates. The holographic media formulation is often formed of two or more components mixed to obtain a homogeneous formulation. The holographic media formulation may include two or more components which are mixed together prior to injection between the substrates. Curing of the holographic media formulation is substantially avoided during mixing, yet accelerated after the formulation is injected between the substrates. Accordingly, the system and techniques can be used to improve the large scale manufacturability of such media by allowing for fabrication of such media within reasonable cycle times, such as less than one minute, while adhering to stringent requirements for optical clarity and parallelism.